

Detailed Facility Report

Facility Summary

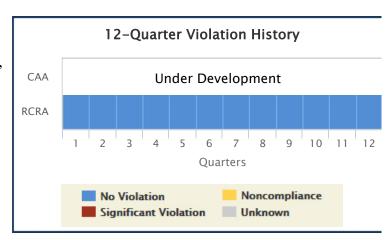
ARKEMA CROSBY PLANT 18000 CROSBY EASTGATE ROAD, CROSBY, TX 77532 ①

FRS (Facility Registry Service) ID: 110000463258

EPA Region: 06 Latitude: 29.94608 Longitude: -95.02378

Locational Data Source: TRIS Industry: Chemical Manufacturing

Indian Country: N



Enforcement and Compliance Summary (4)



Statute	Insp (5 Years)	Date of Last Inspection	Compliance Status	Qtrs in NC (Non- Compliance) (of 12)	Qtrs in Significant Violation	Informal Enforcement Actions (5 years)	Formal Enforcement Actions (5 years)	Penalties from Formal Enforcement Actions (5 years)	EPA Cases (5 years)	Penalties from EPA Cases (5 years)
CAA	1	04/11/2014		0	0	-			-	
RCRA	2	10/22/2013	No Violation	0	0	2			-	

Related Reports

Air Pollutant Report View Envirofacts Reports

Regulatory Information

Clean Air Act (CAA): Operating Major (TX0000004820100110) Clean Water Act (CWA): No Information Resource Conservation and Recovery Act (RCRA): Active (H) LQG (TXD043750512) Safe Drinking Water Act (SDWA): No

Information

Other Regulatory Reports

Air Emissions Inventory (EIS): 4018611 Greenhouse Gas Emissions (eGGRT): No Information Toxic Releases (TRI): 77532PNNWL18000

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110000463258					N	29.94608	-95.02378

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
RMP	CAA	100000124457		ACTIVE			N		
EIS	CAA	4018611		OPERATING			N	29.94805	-95.02194
AIR	CAA	TX0000004820100110	Major Emissions	Operating	CAANESH, CAANSPS, CAASIP, CAATVP		N		
TRI	EP313	77532PNNWL18000	Toxics Release Inventory	Last Reported for 2016			N	29.94968	-95.02004
RCR	RCRA	TXD043750512	LQG	Active (H)			N	29.949673	-95.01815
TSCA	TSCA	200001646					N		
TSCA	TSCA	TSCA4942					N		
TSCA	TSCA	100604691					N		

Facility Address

System	Statute	Identifier	Facility Name	Facility Address
FRS		110000463258	ARKEMA CROSBY PLANT	18000 CROSBY EASTGATE ROAD, CROSBY, TX 77532
RMP	CAA	100000124457	ARKEMA INC CROSBY PLANT	18000 CROSBY EASTGATE ROAD, CROSBY, TX 77532
EIS	CAA	4018611	CROSBY FACILITY	18000 CROSBY EASTGATE ROAD, CROSBY, TX 77532
AIR	CAA	TX0000004820100110	ARKEMA CROSBY PLANT	18000 CROSBY EASTGATE RD, CROSBY, TX 77532
TRI	EP313	77532PNNWL18000	ARKEMA INC	18000 CROSBY EASTGATE RD, CROSBY, TX 77532
RCR	RCRA	TXD043750512	ARKEMA CROSBY PLANT	18000 CROSBY EASTGATE RD, CROSBY, TX 77532-3924
TSCA	TSCA	200001646	ELF ATOCHEM NORTH AMERICA, INC.	18000 CROSBY EASTGATE RD., CROSBY, HARRIS, TX 77532
TSCA	TSCA	TSCA4942	ARKEMA INC	18000 CROSBY EASTGATE ROAD, CROSBY, TX 77532
TSCA	TSCA	100604691	ARKEMA INC	18000 CROSBY EASTGATE ROAD, CROSBY, TX 77532

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Desc
TRI	77532PNNWL18000	2869	Industrial Organic Chemicals

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
RMP	100000124457	325199	All Other Basic Organic Chemical Manufacturing
EIS	4018611	325110	Petrochemical Manufacturing
TRI	77532PNNWL18000	325110	Petrochemical Manufacturing
TRI	77532PNNWL18000	325199	All Other Basic Organic Chemical Manufacturing
TRI	77532PNNWL18000	424690	Other Chemical and Allied Products Merchant Wholesalers
AIR	TX0000004820100110	325199	All Other Basic Organic Chemical Manufacturing
RCR	TXD043750512	325199	All Other Basic Organic Chemical Manufacturing

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
	No da	ata records returned	

Enforcement and Compliance

Compliance Monitoring History (5 years)

Statute	Source ID	System	Inspection Type	Lead Agency	Date	Finding
CAA	TX0000004820100110	AIR	TV ACC Receipt/Review	State	03/23/2017	Finding: There are Facility Report Deviations

Statute	Source ID	System	Inspection Type	Lead Agency	Date	Finding
САА	TX0000004820100110	AIR	TV ACC Receipt/Review	State	02/12/2016	Finding: There are Facility Report Deviations
САА	TX0000004820100110	AIR	TV ACC Receipt/Review	State	01/08/2015	Finding: There are Facility Report Deviations
CAA	TX0000004820100110	AIR	FCE On-Site	State	04/11/2014	
САА	TX0000004820100110	AIR	PCE On-Site Record/Report Review	State	04/11/2014	
САА	TX0000004820100110	AIR	TV ACC Receipt/Review	State	04/11/2014	Finding: No Facility Report Deviations
CAA	TX0000004820100110	AIR	TV ACC Receipt/Review	State	04/10/2014	Finding: No Facility Report Deviations
CAA	TX0000004820100110	AIR	TV ACC Receipt/Review	State	09/30/2013	
САА	TX0000004820100110	AIR	PCE Off-Site	State	11/26/2012	
САА	TX0000004820100110	AIR	TV ACC Receipt/Review	State	11/26/2012	Finding: There are Facility Report Deviations
САА	TX0000004820100110	AIR	TV ACC Receipt/Review	State	11/25/2012	Finding: There are Facility Report Deviations
САА	TX0000004820100110	AIR	TV ACC Receipt/Review	State	09/19/2012	
RCRA	TXD043750512	RCR	NON-FINANCIAL RECORD REVIEW	State	11/04/2016	No Violations Or Compliance Issues Were Found
RCRA	TXD043750512	RCR	NON-FINANCIAL RECORD REVIEW	State	05/28/2015	No Violations Or Compliance Issues Were Found
RCRA	TXD043750512	RCR	FOCUSED COMPLIANCE INSPECTION	State	10/22/2013	Violations Or Compliance Issues Were Found
RCRA	TXD043750512	RCR	COMPLIANCE EVALUATION INSPECTION ON-SITE	State	10/14/2013	Violations Or Compliance Issues Were Found

Entries in italics are not considered inspections in official counts.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Non-compliance)/HPV (High Priority Violation)	Description	Current As Of	Qtrs in NC (Non-Compliance) (of 12)
CAA	TX0000004820100110	No		08/26/2017	0
RCRA	TXD043750512	No		08/26/2017	0

Three Year Compliance Status by Quarter

Statute		Program/Pollu	ıtant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12
	CAA (Source ID: TX0000004820100110)					01/01- 03/31/15	04/01- 06/30/15	07/01- 09/30/15	10/01- 12/31/15	01/01- 03/31/16	04/01- 06/30/16	07/01- 09/30/16	10/01- 12/31/16	01/01- 03/31/17	04/01- 06/30/17	07/01- 09/30/17
		Facility	-Level Status		Unk											
	HPV History															
	Violation Type Agency Programs Pollutants															
Historic	Historic Violations															
CAA	A TITLE V PERMITS			UNKNOWN												

Statu	ite	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12
RC	RCRA (Source ID: TXD043750512)		10/01-12/31/14	01/01-03/31/15	04/01-06/30/15	07/01-09/30/15	10/01-12/31/15	01/01-03/31/16	04/01-06/30/16	07/01-09/30/16	10/01-12/31/16	01/01-03/31/17	04/01-06/30/17	07/01-09/30/17
RCR	tA.	Facility-Level Status												

Informal Enforcement Actions (5 Years)

Statute	System	Source ID	Type of Action	Lead Agency	Date
RCRA	RCR	TXD043750512	WRITTEN INFORMAL	State	12/03/2013
RCRA	RCR	TXD043750512	WRITTEN INFORMAL	State	11/20/2013

Formal Enforcement Actions (5 Years)

Statute	Source ID	Type of Action	Lead Agency	Date	Penalty	Penalty Description
			No data records returned			
			To data records retained			

ICIS (Integrated Compliance Information System) Case History (5 years)

Ι	Primary Law/Section	Case No. C	ase Type	Lead Agency	Case Name	Issued/Filed Date	Settlement Date	Federal Penalty	State/Local Penalty	SEP (Supplemental Environmental Project) Cost	Comp Action Cost
Т											
Т											
Т							No data rece	ords returned			
Т											
1											

Environmental Conditions

Water Quality

Permit Combined ID Sower System?	Number of CSO (Combined Sewer Overflow) Outfalls	12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Waterbody Name (ICIS (Integrated Compliance Information System))	Impaired Waters	Impaired Class	Causes of Impairment(s) by Group(s)	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
			No data records return	ed				

Waterbody Designated Uses

Reach Code	Waterbody Name	Exceptional Use	Recreational Use	Aquatic Life Use	Shellfish Use	Beach Closure Within Last Year	Beach Closure Within Last Two Years
				No data r	ecords returned		

Air Quality

Non-Attainment Area?	Pollutant(s)
Yes	Ozone
No	Lead
No	Particulate Matter
No	Sulfur Dioxide

Pollutants

Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site ①

				Air Pollutar	nt Report T	RI Pollution Preventi	on Report
TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land Total On-site Releases	Total Off-site Releases
77532PNNWL18000	2016	593		0	69,120	69,713	32,362
77532PNNWL18000	2015	120		0	74,947	75,067	18,859
77532PNNWL18000	2014	116		0	105,735	105,851	22,775
77532PNNWL18000	2013	800		0	133,780	134,580	21,236
77532PNNWL18000	2012	817		0	204,074	204,891	51,075
77532PNNWL18000	2011	1,415		0	221,334	222,749	66,720
77532PNNWL18000	2010	2,122		0	105,148	107,270	23,354
77532PNNWL18000	2009	2,128		0	270,288	272,416	19,019
77532PNNWL18000	2008	4,087		0	270,091	274,178	20,045

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year ①

Chemical Name	2016	2015	2014	2013	2012	2011	2010	2009	2008
ACETONE									
BENZOYL CHLORIDE	65	74	56	380	483	483	482	484	492
CHLORODIFLUOROMETHANE									
CUMENE	30	2	10	6					
CUMENE HYDROPEROXIDE	174	12	17	15	0	3	14	18	25
DI(2-ETHYLHEXYL) PHTHALATE									
ETHYLBENZENE									
ETHYLENE GLYCOL									
HYDROCHLORIC ACID (1995 AND AFTER ACID AEROSOLS ONLY)									
MERCURY									
METHYL ETHYL KETONE									
N-HEXANE									
SODIUM HYDROXIDE (SOLUTION)									
SODIUM SULFATE (SOLUTION)									
SULFURIC ACID (1994 AND AFTER ACID AEROSOLS ONLY)									
TERT-BUTYL ALCOHOL	101,806	93,839	128,543	155,415	255,483	288,983	130,128	290,933	293,706
TOLUENE									

Demographic Profile

Demographic Profile of Surrounding Area (3 Miles)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 US Census and American Community Survey data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA Locational Reference Table (LRT) when available.

Radius of Area:	3	Lane	d Area:	100%	Hous	Households in Area:		1,278	
Center Latitude:	Center Latitude: 29.94968		Water Area:		Housing Units in Area		:	1,400	
Center Longitude:	-95.02004	Populati	on Density:	136/sq.mi.	Households	Households on Public Assistance		43	
Total Persons:	3,798	Percent	Percent Minority: 34% Persons Below Pover		elow Poverty Le	evel:	909		
Race Breakdow	n	Persons (%)		Age Breakdown		Person	ıs (%)	
White:		2,997 (79%	2,997 (79%)		Child 5 years and younger:			264 (7%)	
African-America	in:	115 (3%)	115 (3%)		Minors 17 years and younger:			(27%)	
Hispanic-Origin	1:	1,127 (30%	5)	А	dults 18 years and older:		2,755	(73%)	
Asian/Pacific Islar	nder:	13 (0%)		S	niors 65 years and older:		375 (10%)	
American Indian: 7		7 (0%)							
Other/Multiracial: 665 (1		665 (18%)						
Education	Level (Persons 25 & olde	er)	P _i	ersons (%)	Income Breakdown		Househ	olds (%)	
Education Level (Persons 25 & older) Less than 9th Grade:			21 (9.62%)	Less than \$15,000:			3.33%)		

226 (9.83%)

\$15,000 - \$25,000:

9th through 12th Grade:

93 (7.45%)

Education Level (Persons 25 & older)	Persons (%)	Income Breakdown	Households (%)
High School Diploma:	996 (43.34%)	\$25,000 - \$50,000:	269 (21.55%)
Some College/2-yr:	662 (28.81%)	\$50,000 - \$75,000:	319 (25.56%)
B.S./B.A. or More:	193 (8.4%)	Greater than \$75,000:	463 (37.1%)